

12

# EUROPEAN PATENT APPLICATION

21 Application number: 89202768.1

51 Int. Cl.<sup>5</sup>: H03K 3/023, H03F 1/02

22 Date of filing: 03.11.89

30 Priority: 07.11.88 NL 8802719

43 Date of publication of application:  
 16.05.90 Bulletin 90/20

84 Designated Contracting States:  
 CH DE FR GB IT LI

71 Applicant: N.V. Philips' Gloeilampenfabrieken  
 Groenewoudseweg 1  
 NL-5621 BA Eindhoven(NL)  
 84 DE FR GB IT

Applicant: FASELEC A.G.  
 Räfelstrasse 44  
 CH-8045 Zürich(CH)  
 84 CH LI

72 Inventor: Thommen, Werner Felix  
 c/o INT. OCTROOIBUREAU B.V. Prof.  
 Holstlaan 6  
 NL-5656 AA Eindhoven(NL)

74 Representative: Strijland, Wilfred et al  
 INTERNATIONAAL OCTROOIBUREAU B.V.  
 Prof. Holstlaan 6  
 NL-5656 AA Eindhoven(NL)

54 Delay-controlled relaxation oscillator with reduced power consumption.

57 A capacitance (10) in an oscillator is alternately charged and discharged. The change-over from charging to discharging is controlled by means of a comparator (22) which compares a capacitance voltage (20) with a reference voltage ( $V_{ref}$ ). The oscillator comprises switching means (40, 42) for switching the power supply for the comparator from a power supply mode into a stand-by mode between two change-overs.

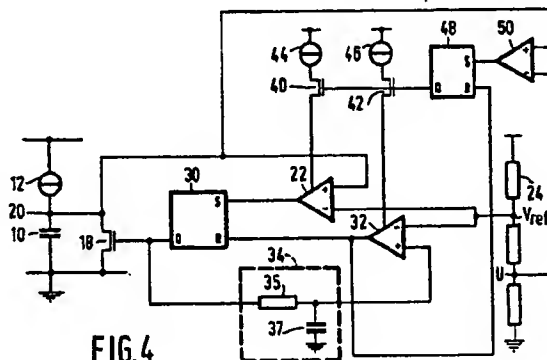


FIG.4

Best Available Copy

EP 0 368 398 A1